PF-0628 USN

SEQUENCE LISTING

<110> INCYTE CORPORATION
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      GORGONE, Gina A.
      GUEGLER, Karl J.
      BAUGHN, Mariah R.

<120> TRANSMEMBRANE 4 PROTEINS

<130> PF-0628 USN

<140> 09/830,328
(141> Herewith

<150> 09/183,027
<151> 1998-10-29

<150> 60/172,249
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<213> Homo sapiens

<220>
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Ala Glu Cys Ile Phe Phe Val Ser Asp Gln His Ser Leu Tyr Pro
                35   40   45
Leu Leu Glu Ala Thr Asp Asn Asp Asp Ile Tyr Gly Ala Ala Trp
                50   55   60
Ile Gly Ile Phe Val Gly Ile Cys Leu Phe Cys Leu Ser Val Leu
                65   70   75
Gly Ile Val Gly Ile Met Lys Ser Ser Arg Lys Ile Leu Leu Ala
                80   85   90
Tyr Phe Ile Leu Met Phe Ile Val Tyr Ala Phe Glu Val Ala Ser
                95   100   105
Cys Ile Thr Ala Ala Thr Gln Arg Asp Phe Phe Thr Pro Asn Leu
                110   115   120
Phe Leu Lys Gln Met Leu Glu Arg Tyr Gln Asn Asn Ser Pro Pro

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Asn Asn Asp Asp Gln Trp Lys Asn Asn Gly Val Thr Lys Thr Trp
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Asp Arg Leu Met Leu Gln Asp Asn Cys Cys Gly Val Asn Gly Pro
                155                      160                      165
Ser Asp Trp Gln Lys Tyr Thr Ser Ala Phe Arg Thr Glu Asn Asn
                170                      175                      180
Asp Ala Asp Tyr Pro Trp Pro Arg Gln Cys Cys Val Met Asn Asn
                185                      190                      195
Leu Lys Glu Pro Leu Asn Leu Glu Ala Cys Lys Leu Gly Val Pro
                200                      205                      210
Gly Phe Tyr His Asn Gln Gly Cys Tyr Glu Leu Ile Ser Gly Pro
                215                      220                      225
Met Asn Arg His Ala Trp Gly Val Ala Trp Phe Gly Phe Ala Ile
                230                      235                      240
Leu Cys Trp Thr Phe Trp Val Leu Leu Gly Thr Met Phe Tyr Trp
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Val Ser Ala Trp Met Arg Asp Tyr Leu Asn Asn Val Leu Thr Leu
                35                      40                      45
Thr Ala Glu Thr Arg Val Glu Glu Ala Val Ile Leu Thr Tyr Phe
                50                      55                      60
Pro Val Val His Pro Val Met Ile Ala Val Cys Cys Phe Leu Ile
                65                      70                      75
Ile Val Gly Met Leu Gly Tyr Cys Gly Thr Val Lys Arg Asn Leu
                80                      85                      90
Leu Leu Leu Ala Trp Tyr Phe Gly Ser Leu Leu Val Ile Phe Cys
                95                      100                     105
Val Glu Leu Ala Cys Gly Val Trp Thr Tyr Glu Gln Glu Leu Met
                110                     115                     120
Val Pro Val Gln Trp Ser Asp Met Val Thr Leu Lys Ala Arg Met
                125                     130                     135
Thr Asn Tyr Gly Leu Pro Arg Tyr Arg Trp Leu Thr His Ala Trp
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Asn Phe Phe Gln Arg Glu Phe Lys Cys Cys Gly Val Val Tyr Phe
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Thr Asp Trp Leu Glu Met Thr Glu Met Asp Trp Pro Pro Asp Ser
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Cys Cys Val Arg Glu Phe Pro Gly Cys Ser Lys Gln Ala His Gln
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Glu Asp Leu Ser Asp Leu Tyr Gln Glu Gly Cys Gly Lys Lys Met
            200                 205                 210
Tyr Ser Phe Leu Arg Gly Thr Lys Gln Leu Gln Val Leu Arg Phe
            215                 220                 225
Leu Gly Ile Ser Ile Gly Val Thr Gln Ile Leu Ala Met Ile Leu
            230                 235                 240
Thr Ile Thr Leu Leu Trp Ala Leu Tyr Tyr Asp Arg Arg Glu Pro
            245                 250                 255
Gly Thr Asp Gln Met Met Ser Leu Lys Asn Asp Asn Ser Gln His
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Leu Ser Cys Pro Ser Val Glu Leu Leu Lys Pro Ser Leu Ser Arg
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<212> DNA
<213> Homo sapiens

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<211> 2768
<212> DNA
<213> Homo sapiens

<220>
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<212> PRT
<213> Bos taurus

<400> 5

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Ala Glu Cys Ile Phe Phe Val Ser Asp Gln Asn Ser Leu Tyr Pro
                35                  40                  45
Leu Leu Glu Ala Thr Asn Asn Asp Asp Ile Tyr Ala Ala Ala Trp
                50                  55                  60
Ile Gly Met Ser Val Gly Ile Cys Leu Phe Cys Leu Ser Val Leu
                65                  70                  75
Gly Ile Val Gly Ile Met Lys Ser Asn Arg Lys Ile Leu Leu Val
                80                  85                  90
Tyr Phe Ile Leu Met Phe Ile Val Tyr Ala Phe Glu Val Ala Ser
                95                  100                 105
Cys Ile Thr Ala Ala Thr Gln Arg Asp Phe Phe Thr Pro Asn Leu
                110                 115                 120
Phe Leu Lys Gln Met Leu Glu Arg Tyr Gln Asn Asn Ser Pro Pro
                125                 130                 135
Asn Asn Asp Asp Gln Trp Lys Asn Asn Gly Val Thr Lys Thr Trp
                140                 145                 150
Asp Arg Leu Met Leu Gln Asp Asn Cys Cys Gly Val Asn Gly Pro
                155                 160                 165
Ser Asp Trp Gln Lys Tyr Thr Ser Ala Phe Arg Thr Glu Asn Ser
                170                 175                 180
Asp Ala Asp Tyr Pro Trp Pro Arg Gln Cys Cys Val Met Asn Ser
                185                 190                 195
Leu Lys Glu Pro Leu Asn Leu Asp Ala Cys Lys Leu Gly Val Pro
                200                 205                 210
Gly Tyr Tyr His Ser His Gly Cys Tyr Glu Leu Ile Ser Gly Pro
                215                 220                 225
Met Asn Arg His Ala Trp Gly Val Ala Trp Phe Gly Phe Ala Ile
                230                 235                 240
Leu Cys Trp Thr Phe Trp Val Leu Leu Gly Thr Met Phe Tyr Trp
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Ser Arg Ile Asp Tyr
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<212> PRT
<213> Mus musculus

<400> 6

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Gly Leu Ala Val Met Ala Val Gly Ile Trp Thr Leu Ala Leu Lys
                35                  40                      45
Ser Asp Tyr Ile Ser Leu Leu Ala Ser Ser Thr Tyr Leu Ala Thr
                50                  55                      60
Ala Tyr Ile Leu Val Val Ala Gly Val Val Val Met Val Thr Gly
                65                  70                      75
Val Leu Gly Cys Cys Ala Thr Phe Lys Glu Arg Arg Asn Leu Leu
                80                  85                      90
Arg Leu Tyr Phe Ile Leu Leu Leu Ile Ile Phe Leu Leu Glu Ile
                95                  100                     105
Ile Ala Gly Ile Leu Ala Tyr Val Tyr Tyr Gln Gln Leu Asn Thr
                110                 115                     120
Glu Leu Lys Glu Asn Leu Lys Asp Thr Met Val Lys Arg Tyr His
                125                 130                     135
Gln Ser Gly His Glu Gly Val Ser Ser Ala Val Asp Lys Leu Gln
                140                 145                     150
Gln Glu Phe His Cys Cys Gly Ser Asn Asn Ser Gln Asp Trp Gln
                155                 160                     165
Asp Ser Glu Trp Ile Arg Ser Gly Glu Ala Asp Ser Arg Val Val
                170                 175                     180
Pro Asp Ser Cys Cys Lys Thr Met Val Ala Gly Cys Gly Lys Arg
                185                 190                     195
Asp His Ala Ser Asn Ile Tyr Lys Val Glu Gly Gly Cys Ile Thr
                200                 205                     210
Lys Leu Glu Thr Phe Ile Gln Glu His Leu Arg Val Ile Gly Ala
                215                 220                     225
Val Gly Ile Gly Ile Ala Cys Val Gln Val Phe Ser Met Ile Phe
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<210> 7
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<400> 7

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7/7